UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4406 A and B

***************************************	Arizona	Land District.
	FIELD NOTE	S
Of T	he Survey Of The Mining	Claim Of
***************************************	H. M. Osborne	
	Known As The	
ELE.	100	ll Site
		Mining Distr
		Arizona
		, Range 19 West
	dated April 16 and Ju	
	by R. L.	Merritt Mineral Surveyor
Claim located .	Sue Lode Claim Dec. 20, Sue Mill Site March 19,	1898 1884 , 19
Survey commence	dApril 30	, 19 56
	dNovember 16	
Address of clai	mant H.M. Osborne Parker, Arizona	
5-1	DATES OF AMENDED LOCATION	DNS
Sue I	ode Claim, January 1, 1	.910

Sue Mill Site, February 21, 1956

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This survey was made with a Gurley transit No. 50962, with a horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

April 30, 1956, at a point N. 38° 23' W., 490 ft. from the center point line 3-4, Sue lode, in latitude 34° 11' 40" N., and longitude 114° 13' 22" W., I made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from the lode line of the Sue lode to the right to the sun.

Mean time of observation, 105th meridian

standard time

Declination of sun at mean time of observation

Mean observed vertical angle to sun's center.

Mean horizontal angle from Sue lode line

to sun's center

True bearing of the Sue lode line

117°00'55"

= N. 38°23'W.

The lines were measured with a Lufkin steel tape 500 feet in length, graduated every foot, the first and last foot being graduated to tenths and hundredths. The tape was compared with a Lufkin standard at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave, a uniform value of 15° E.

Survey No. 4406 A

Feet

SUE LODE

At cor. No. 1 of the Sue. lode.

Set an iron pipe, 2 ft. long, 3/1! ins. diam., 16 ins. in the ground, with a brass cap, mkd. X S-1-4406A; from which

The \(\frac{1}{4}\) sec. cor. of Secs. 22 and 23, T. 10 N., R. 19 W., bears N. 54° 36° W., 242.66 ft. dist., an iron pipe 1 in. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

An X, on a porphyry rock in place, 12 x 16 ins., 10 ins. don't above the ground, bears N. 24. 07' E., 15.49 ft. dist., which mkd. X BR S-1-4406 And St., and a second of the second of t

Thence N. 51° 37' E.

3

Feet di	. Solver was made with a durier transft No. 50962,
300 o 000	Lode line; discovery point bears S. 38° 23' E., 1160.0 ft. dist.
ne shuter	Power line, bears WNW and ESE, dt.S. 60 a Est a st. 300 deserve
BEN JASE	for adding direct observations upon the sun. The instru
515.	Center of wash, 50 ft. wide, course WNW. 19 14.00 500 gt
600.0	Cor. No. 2. idem and the contract of the contr
the	Set an iron pipe, 2 ft. long, 3/4 ins. diam., 16 ins. in the ground, with a brass cap mkd. X S=2-4406 A.
the	mont .11 001 'ES Thence S. 38° 23' E. 201 .05 Lings
260 000	Power line, bears WWW and ISEE 22. 22. Sur love good loans out loans out loans with the continue of the contin
270 bas	Center of wash, course WNWSC was sent acquescoles and
ons	Power line, bears N. 7 % E. cand S. 17 n.W. trad add anibs at
	to the right to the sun.
	Cor. No. 3. Mean time of observation, 105th meridien
. m.c	Set a porphyry stone, 24x12x5 ins., 16 ins. in the ground, mkd. X S-3-4406 A.
. Ma 02	Tearly = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	A porphyry rock in place, 16 x 18 ins., 8 ins. above the ground, bears S. 65° 25' E., 36.49 ft. dist., mkd. X BR S-3-1406 A. of and a series at a series and a se
1951	00°TII = Tacher and Thence Sac51°137' Waitred Bart
2000	Center of road, bears N. 24° 20' W. and S. 24° 120' E.
30010 5	Lode line; discovery point bears N. 38° 23' W., 340.0 ft. dist.
600.0	Cor. No. 4.
trect	Set a porphyry stone, 24x8x5 ins., 16 ins. in the ground, mkd. X S-4-4406 A.
e survey	A porphyry stone in place, 12 x 18 ins., 18 ins. above the ground, bears N. 67: 47! E., 38.25 ft. dist., mkd. X BR S-4-4406 A.
	Thence N. 38° 23' W.
1500.0	Cor. No. 1 and the place of beginning.
1,000	Feet Sur Time
	Survey No. 4406 B to I
net i	Set an Arca pape, 2 ft. long, 3/4 ane. drem., to tas. az
27419	Molin mort 10011-1-SUE MILL SITE approve diw . Domory
6.1	At Cor. No. 1 of the Sue Mill Site.
-dba	Set a porphyry stone, 24x9x7 ins., 16 ins. in the ground, mkd. S M S-1-4406 B; from which is bed to a possession.
.as.	The \(\frac{1}{4}\) sec. cor. between Secs. 22 and 27, T. 10 N., R. 19 W. bears East 123.10 ft. dist., an iron pipe, one fach diam., with a brass cap, 18 ins. above the ground, firmly set, marked and witnessed as described in the official record.

Feet	Cor. No. 1, Sur. No. 4406 A, Sue lode, bears N. 49° 48' E., 3869.07 ft. dist.
onucio a	Raise a mound of stone, 3 ft. base, 3 ft. high, alongside the corner.
. 4 26.	and how a private same Thence West, to bright a safest
85.	Center of road, bears N. 25° 47' E., and S. 25° 47' W.
250.	Center of road, bears N. 21° 06' E., and S. 21° 06' W.
336.53	Set an iron post, 2 ft. long, $l_{\frac{1}{2}}$ ins. diam., 20 ins. in the ground, for witness Cor. No. 2, with brass cap mkd. WC-SMS-2-1406.B.
punoud a	Raise a mound of earth and stones around a wood post, 4 ft. long, 4 ins. sq., alongside the corner.
356.72	True point for Cor. No. 2, and point of reestablishment of the meander corner of secs. 22 and 27, at record distance West of the 4 sec. cor., falls under concrete base of a chimney which is attached to the north side of a house.
	A corner of the location bears West, 35.81 ft. dist.
	Thence N. 57° 24' 50" W. 6
e ground.	Along a line normal to the center line of the Colorado River.
34.24	Cor. No. 3.
.11 /	Set an iron post, 2 ft. long, $l_2^{\frac{1}{2}}$ ins. diam., 20 ins. in the ground, with brass cap mkd. SMS-3-4406 B.
	Raise a mound of earth and stone around a wood post, 4 ft.
	Thence N. 24° 52° 50" E. 2 78.34
.bnuorg a	Along the mean high water line of the Colorado River.
	Cor. No. 4
h it.	Set an iron post, 2 ft. long, 12 ins. diam., 20 ins. in the ground, with brass cap mkd. SMS-4-4406 B.
	Raise a mound of earth and stone around a wood post, 4 ft. long, 4 ins. sq., alongside the corner.
	Thence S. 86° 59' E. OI . W . 100 98.59
e eround,	Along mean high water line of the Colorado River.
	Cor. No. 5.
. ti	Set an iron post, 2 ft. long, 1 ins. diam., 20 ins. in the ground, with brass cap mkd. SMS-5-4406 B.
	Raise a mound of earth and stone around a wood post, 4 ft.
	Thence N. 75° 11' 30" E.

	Feet 84	Along the mean high water line of the Colorado River.	7 - T - T
	81.73	Cor. No. 6.	
	gedde tho	Set an iron post; 2 ft: long, $1\frac{1}{2}$ ins. diam., 20 ins. in the with brass cap mkd. SMS-6-14,06 B.	ground,
		Raise a mound of earth and stones around a wood post, long, 4 ins. sq., alongside the corner.	4 ft.
		Thence N. 52° 32' W. Lacr ic reduced	.025
		Along the mean high water line of the Colorado River.	2.355
	88.32	Cor No. 7. No. 2, wash brist cap alc. No. 200 search rel	
	.12.1	Set an iron post, 2 ft. hong, $1\frac{1}{2}$ ins. diam., 20 ins. in the with brass cap mkd. SMS-7-4406 B.	ground,
fine.	955 30	Raise a mound of earth and stone around a wood post, long, 4 ins. sq., alongside the corner.	ft.
220	196035 31	Thence N. 29° 31' W.	
		Along the mean high water line of the Colorado River.	
	43.73	Cor. No. 8 . Thence M. 57° 24' Sept M. 8 . or	
	.79	Set an iron post, 2 ft. Rong, $1\frac{1}{2}$ ins. diam., 20 ins. in the with brass cap mkd. SMS-8-4406 B.	
	des ground	Raise a mound of earth and stone around a wood post, long, 4 ins. sq., alongside the corner.	
		Thence N. 28° LLL E	
	L ft.	Along the mean high water line of the Colorado River.	
	46.87	Cor. No. 9 . Thos 122 MS . W soned?	
		Set an iron post, 2 ft. long, $l_2^{\frac{1}{2}}$ ins. diam., 20 ins. in the with brass cap mkd. SMS-9-4406 B.	
	,buuowa a	Raise a mound of earth and stone around a wood post, long, 4 ins. sq., alongside the corner.	4 ft.
	4% 1	Thence N. 80° 16' 10" E.	
	11.11	Along the mean high water line of the Colorado River.	
	98.39	Cor. No. 10 . 2 '98 .2 someth	
		Set an iron post, 2 ft. long, $1\frac{1}{2}$ ins. diam., 20 ins. in the with brass cap mkd. SMS-10-1406 B.	
	'panala	Raise a mound of earth and stone around a wood post, long, 4 ins. sq., alongside the corner.	4 ft.
		Thence N. 53° 38' W.	
	# # # # # # # # # # # # # # # # # # #	Along the mean high water line of the Colorado River.	
Section 2		Taemqe 4. 75° 11' 30" 5.	
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F			A COLUMN

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Clans Feet	2A384	Taban Mark
61.15	Cor. No. 11	
L.107	Set an iron post, 2 ft. long, $1\frac{1}{2}$ ins. diam., 20 ins. in with brass cap mkd. SMS-11-1406 B.	the ground,
c32 +	Raise a mound of earth and stone around a wood postong, 4 ins. sq., alongside the corner. Thence N. 1° 14° E.	t, 4 ft.
e.M.O.f.	Along the mean high water line of the Colorado River.	
167.74	Cor. No. 12 Lasidashi si shof sud sha to yours sall	
s. Nos. Line 2-3	Set an iron post, 2 ft. long, $1\frac{1}{2}$ ins. diam., 20 ins. in with brass cap mkd. SMS-12-4406 B.	
er for 27, and gn water	Raise a mound of earth and stone around a wood postlong, 4 ins. sq., alongside the corner.	t, 4 ft.
	Thence N. 10° 40° E.	
	Along the mean high water line of the Colorado River.	
96.89	Cor. No. 13 el sit to enlev ent une atnemaver mi es?	
:ຄ ອກໄດ້ າຄ	Set a porphyry stone, 30 x 12 x 7 ins., 16 ins. in the grankd. X-SMS-13-4406 B.	cound,
center, 20 ft.,	Cor. is 10 ft. east of the left bank of the Colorac	lo River.
	Raise a mound of stone, 3 ft. base, 3 ft. high, alo	
50.86	Thence East. The center of teast. Thence East. 10 92.0 ft	No. 2
50.86	001. NO. 124	
49 00	Set a porphyry stone 26 x ll x 7 ins.; 16 ins. in the grown X-SMS-ll-ll106 B.	und, mkd.
	Raise a mound of stone, 3 ft. base, 3 ft. high, alo	ngside
t. to	the corner. Latron end, este ni . 10 and the corner. Thence S. 1° 42' 30" W.	d on
422.	Center of road, bears N. 25° 45' E., and S. 25° 45' W.	
690.	Center of road, bears N. 48° 27' W., and S. 48° 27' E.	₹ .6%
865.	Center of road, bears N. 58° 09' W., and S. 58° 09' E.	
950.	Power line bears N. 39° 38' W., and S. 39° 38' E.	No. 6
982.87	Cor. No. 1 and the place of beginning.	
	The Sue Mill Site contains 4.107 acres:	
es 11. 58°	The content of a minud area, 18 x 18 ft., 10 ft. deep, best	No. 7
	00.10014 00.00	
		nititi.

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⊕m≠m: Feet	AREAS	Acres
	Total area, Sue lode	20.661
neors ed.	Total area, Sue Mill site	4.107
J1 1	now four a figures amough one wise to income a said	
	Survey No. 4406 A is located in the NW_{4}^{1} and SW_{4}^{1} of St. 10 N., R. 19 W., Gila and Salt River Meridian.	ec. 23,
	Survey No. 4406 B is located in Lot 4 of Sec. 22, 19 W., Gila and Salt River Meridian.	r. 10 N.,
the ground	The survey of the Sue lode is identical with the ame location as marked on the ground. The survey of the Sue is wholly within the location as marked on the ground; Co 1, 13, and 14 are identical with corners of the location; was surveyed normal to the center line of the Colorado Ri the protection of riparian rights of patented land in Sec the west boundary was surveyed to conform with the mean h line of the river.	Mill Site rs. Nos. line 2-3 ver for 27, and
	EXPENDITURES TO THE RESERVE OF THE PROPERTY OF	
, basso	The improvements and the value of the labor and improvement and upon or for the benefit of the lode location embrace mining claim by the claimant or his grantors are as follows:	d in said
No. 1	The discovery cut of the Sue lode, the center of which be discovery point, is on the center line 340.0 ft. from the of line 3-4, 4 ft. wide, 6 ft. deep, running S. 51° 37' Wand N. 51° 37' E., 20 ft. Value, \$100.00	center
No. 2	A shaft, the center of which bears N. 16° 52' W., 592.0 f Cor. No. 4, Sue lode, 6 x 8 ft., 100 ft. deep. Value, \$3000.00	
No. 3	A tunnel, 4 x 6 ft. in size, the portal of which bears N. 567 ft. from Cor. No. 4, Sue lode, and runs S. 45° 30' W. to face. Value, \$1400.00	18° 05' W., , 70 ft.
	A tunnel, 4 x 6 ft. in size, the portal of which bears N.	53° 17' W.
No. 4	593 ft. from Cor. No. 3 Sue lode, and runs S. 10 W., 40 face.	ft. to
	Value, \$600.00	531
No. 5	A tunnel, 4 x 6 ft. in size, the portal of which bears S. 285 ft. from Cor. No. 2 of the Sue lode and runs S. 10° V to face. Value, \$1800.00	V., 100 ft.
No. 6	A tunnel, 4 x 6 ft; in size, the portal of which bears S. 378 ft. from Cor. No. 2, Sue lode, and runs S. 30° W., 6 thence S. 60° W., 75 ft.; thence South 150 ft. to face. Value, \$4000.00	. 46° 17' E.,
No. 7	The center of a mined area, 18 x 18 ft., 10 ft. deep, be 10' W., 583 ft. from Cor. No. 3, Sue lode. Value, \$1000.00	ars N. 58°

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OTHER IMPROVEMENTS

A plank ore bin, 10 x 14 ft., 6 ft. deep, the southeast corner of which bears N. 49° 30' W., 636 ft. ffrom Cor. No. 3, Sue lode. The long side bears N. 20° W. Claimant herein.

A plank ore bin, 10 x 18 ft., 4 ft. deep, the southeast corner of which bears N. 15° W., 157 ft. from Cor. No. 1, Sue Mill Site. The long side bears S. 62° 15' W. Claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

FIELD ASSISTANTS

Name

Capacity

W. J. Cheek John Bowers

Chainman Chainman

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e lode.	from ture scothess.	1 20° W	BYUNG AU'S M	of att	
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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Nov. 2/ , 1956
I, Richard L. Merritt
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the
Office of Cadastral Engineer, at Phoenix, Arizona
dated April 16-1956, I have faithfully and correctly executed the survey of
the mining claim of
known as the Sue lode and Sue Millsite
situate in W/2 Sec. 23 and Lot 4 sec. 22
T. 10 N, R. 19 W, Gilaand Sait River Meridian, Arizona, and
designated as Survey No. 4406 Rand B, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made
upon or for the benefit of thelocation(s) embraced in the said mining claim by
claimant(s) or grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.
Prescott Arizona Pichard T. Menitt
CERTIFICATE OF APPROVAL Bureau of Land Management, Survey Office (Office)
Phoenix, Arizona Feb. 19 , 1957 (Place) (Date)
The foregoing field notes of mineral survey No. 11106 A&B, in W Sec. 23 and Lot 1 Sec. 22
T. 10 North , R. 19 West , G. & S.R. Meridian,
Arizona , executed by R. L. Merritt , Mineral Surveyor,
under order dated April 16 and July 23, 1956, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.
Everett H. Kimmell
Office Cadastral Engineer (Title)
CERTIFICATE OF TRANSCRIPT
I CERTIFY that the foregoing transcript of field notes of the above described mineral survey Nos a true copy of the original field notes.
U. S. GOVERNMENT PRINTING OFFICE 16—61973-1

(Title)

CERTIFICATE OF SURVEYOR
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designated by my and under my direction, and that and arrest help ment to be under my help with mid point, as the that and or the training of the tiplied States, and in the specific reasons designed in the specific reasons.
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